

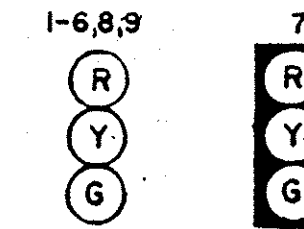
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.			

EXISTING
SIGNS

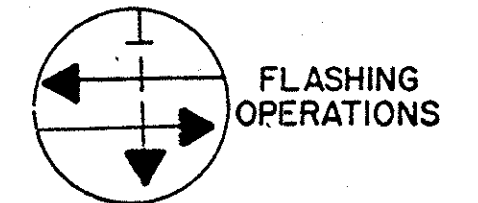
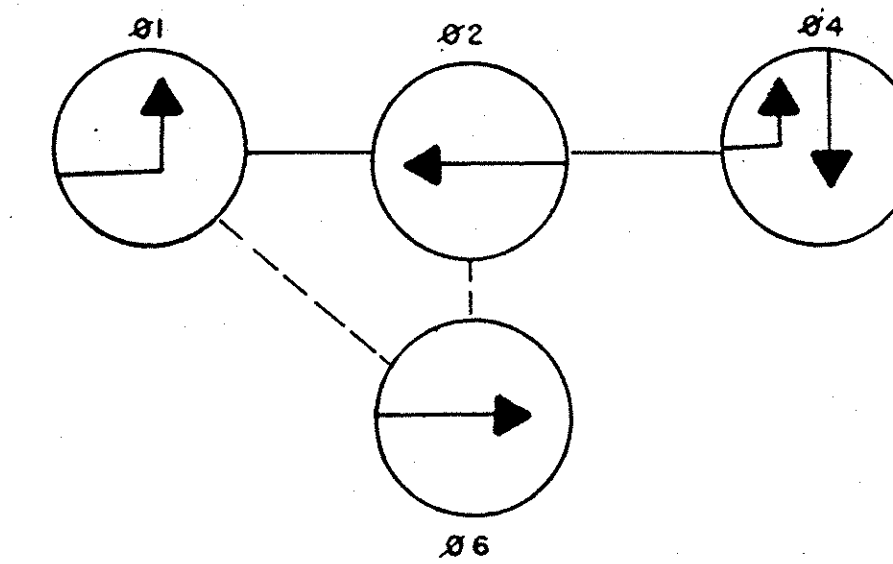
12,13
St. Charles
Towne Center
NEXT SIGNAL
D3-2



EXISTING
12" SIGNALS



NEMA PHASING



NEMA PHASING NOTES

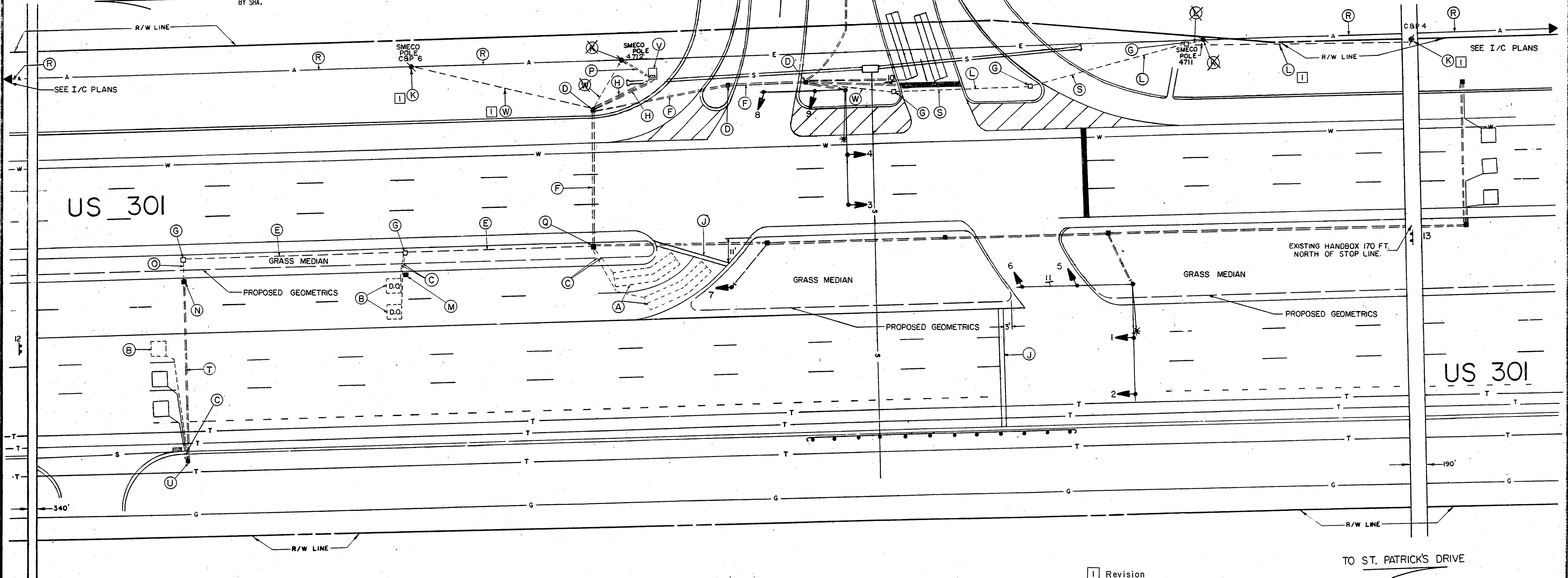
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

GENERAL NOTES:

1. "D.O." INDICATES DELAY OUTPUT LOOP DETECTORS.
2. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND SHALL BE INSTALLED BY CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS. SEE NOTE 5.
3. PAVEMENT MARKINGS ARE NOT TO BE INSTALLED UNTIL LOOP DETECTORS AND CONDUIT INSTALLATIONS ARE COMPLETED.
4. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLATION OF SIGNAL EQUIPMENT.
5. LANE LINES, EDGE LINES, AND CENTER LINES ARE TO BE INSTALLED BY SHA.

TO SMALLWOOD ROAD

TOWNE CENTER
ENTRANCE



1 Revision

TO ST. PATRICK'S DRIVE

LEGEND OF UNDERGROUND
AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRIC	E
TELEPHONE	T
GAS	G
STORM DRAIN	SD
SEWER	S
WATER	W
CABLE TV	TV

TRAFFIC SIGNAL DESIGN BY

Erdman and Associates, Inc.
Consulting Engineers

8600 LaSalle Road, Suite 336, Chester Building
Baltimore, Md 21204 301/339-7140

BASE PLAN FROM SURVEY AND ROAD DESIGN BY



DH Steffens Co.
ESTABLISHED 1923

ENGINEERS
LAND SURVEYORS
LAND PLANNERS

317 Charles Street
P.O. Box 626
La Platte, Maryland 20646
Telephone: 834-2021
870-3263
Four Willow Circle
Lanham Park, Maryland
20653
Telephone: 862-2228

REVISIONS

APPROVALS

CHIEF, SIGNAL DESIGN SECTION
James E. Smith 12/14/89
ASST. DISTRICT ENGINEER, TRAFFIC
Robert C. Smith 12/14/89
CHIEF, TRAFFIC ENGINEERING DIVISION
John R. Smith 12/14/89
DEPUTY CHIEF ENGINEER, TRAFFIC

1 REVISE INTERCONNECT CABLES
11/5/90
2 REPLACE LOOP DETECTORS DUE TO
GEOMETRIC CHANGES
SHA NO. CH-555-501-570
R.R.Z. 12/14/89

MDOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic

TRAFFIC ENGINEERING DIVISION

DRAWN BY: R.A.D. (FOR E&A)
DES. BY: D.B.D. (FOR E&A)
CHK. BY: *Robert C. Smith* 12/14/89

DATE: DECEMBER 12, 1989
SCALE: 1" = 20'

F.A.P. NO.
S.H.A. NO. BW-273-802-512

US 301 AND ST. CHARLES TOWNE CENTER ENTRANCE
COUNTY: CHARLES

TS/STD. NO.
2596A

SHEET NO.
169 OF 239